The
Adapting to Rising Tides
Project

www.adaptingtorisingtides.org

bcdc San Francisco Bay Conservation and Development Commission

Adapting to Rising Tides

Working together to increase the resilience of Bay Area communities to sea level rise and storm events

ART Project Outcomes

- Road tested adaptation tools, data, and resources that benefit project participants and others in the region and beyond

- An understanding of how scale affects the outcomes of adaptation planning

- Integration of all aspects of sustainability into the planning process and outcomes

ART Project Materials

- ✓ Existing Conditions and Stressors Report
- ✓ Approaches to Assessing Climate Change V&R
- ✓ Vulnerability & Risk Assessment
- ✓ Synthesizing Vulnerability & Risk: The Define Step
- ✓ Developing an Adaptation Response: The Plan Report
- ✓ Equity Issue Paper
- ✓ Governance Issue Paper
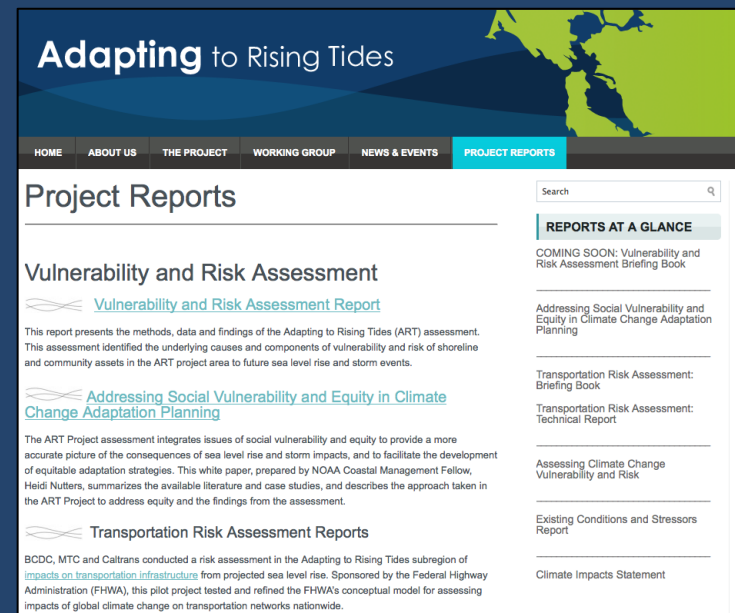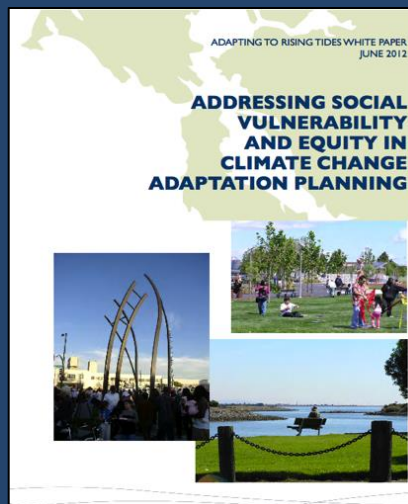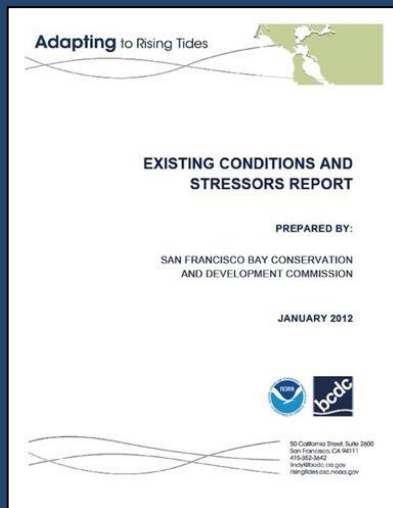
ART Project Key Findings

Networked infrastructure is only as resilient as the weakest link

Data and information gaps were significant for every sector analyzed

Certain land uses are difficult to protect, evacuate, relocate or rebuild

Certain characteristics make community members more vulnerable

Emergency preparedness, response and recovery has an uneven record of addressing the needs of all community members

ART Project Conclusions

- There are a number of actions the region can take *now* to help improve resilience to climate and other disruptions- economic, seismic, system failures

- Local agencies, organizations and communities need support convening climate adaptation efforts

- ART-tested tools, data, and resources are facilitation adaptation planning around the region and are paving the way towards implementation

ART Next Steps: Project to Program

ART Portfolio

- Easy to use web-based toolkit of ART-tested adaptation tools, data, and resources

- At-your-fingertips ART adaptation findings, reports, and communication materials

ART Help Desk

- ART staff ready and available to answer questions and keep the ART Portfolio up-to-date and relevant

- Experienced adaptation planning staff to lend a helping hand to efforts led by others

- Assistance in convening multi-sector and multi-jurisdiction climate adaptation efforts

ART Focus on Regional Assets

✓ Shoreline Parks – developing a shoreline parks adaptation plan (BCDC and East Bay Regional Park District)

✓ Passenger Rail – supporting an ART partner-led assessment of sea level rise and storm event "hot spots" (BCDC and Capitol Corridor JPA)

✓ Ground Transportation – adaptation responses to reduce disruptions to transportation systems (BCDC, MTC, BART and Caltrans)

ART Focus on Regional Action

- ✓ Regional Housing and Community Risk Project – improving the odds of recovery by understanding and addressing housing and community risks (BCDC and AGAG)

- ✓ Resilient Shorelines Program – regional initiative to reduce flood risk hazards and increase shoreline resilience (BCDC, SCC and ABAG)
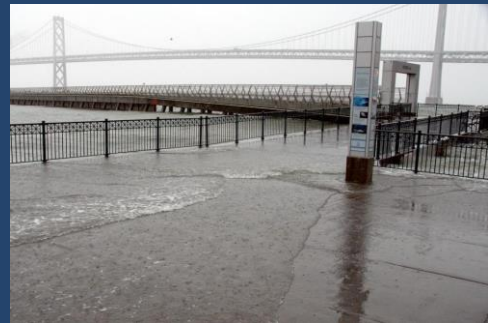
ART Focus on Local Action

✓ Oakland / Alameda Resilience Study – assessing shoreline flooding and seismic risk together to develop responses that will protect community and economic assets (BCDC and ABAG)

✓ Hayward Shoreline Resilience Study – developing a vision to protect local values and regionally significant networked infrastructure